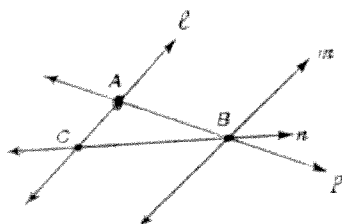


Quiz #3 2-5 to 2-8

Short Answer

1. Determine the point of intersection of lines ℓ and p .



A

2. Complete the following statement. If $AB = BC$ and A , B , and C are collinear, then B is the midpoint of AC .

Name the definition, property, postulate, or theorem that justifies each statement.

3. If $x = 2$, then $2 = x$. Symmetric
4. If $x + 3 = y$, then $x = y - 3$. Subtraction
5. Determine whether the conjecture is *true* or *false*.

Given: Two planes intersect.

Conjecture: The planes can intersect only at one point.

false

6. Determine whether the conjecture is *true* or *false*.

Given: Three noncollinear points.

Conjecture: There is exactly one plane.

true

7. Determine whether the conjecture is *true* or *false*.

Given: Two points lie in a plane.

Conjecture: The entire line containing those points lies in the plane.

true

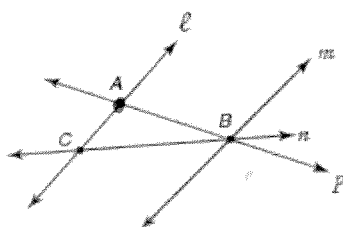
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8. If $\overline{DE} \cong \overline{FG}$, then $\overline{FG} \cong \overline{DE}$. Symmetric
9. If $XY = WZ$, then $XY + TU = WZ + TU$. Addition
10. If $\angle 1$ and $\angle 2$ form a linear pair, then $m\angle 1 + m\angle 2 = 180$. Supp. Thm

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